

BS in Public Health

Graduates in Public Health are health education specialists who are likely to pursue career paths as: health educators working for hospitals, non-profit organizations, government agencies, private business, and colleges and universities.

Marketable Skills

Students will develop the following skills:

1. Communication: Reach mutual understanding through effective exchange of information, ideas, and feelings
2. Leadership: Step up, think, and act critically and creatively to bring others together to accomplish a common task
3. Problem-solving: Find solutions to difficult or complex issues
4. Research: Be able to search, investigate and critically analyze information in response to a specific research question
5. Social responsibility: Act ethically and responsibly for the benefit of society and the public good
6. Stress management: Be able to identify causes of stress, identify effective coping mechanisms, and take action to change the situation
7. Teamwork: Participate as an effective, efficient member of a group in order to meet a common goal

Additionally, students will learn:

1. Grant writing, use effective writing to apply for funding to agencies to implement public health programs in the community
2. Health behavior, use of effective mechanisms to help individuals make informed decisions about lifestyle modifications
3. Health education techniques

The Public Health Degree prepares graduates to function as successful professionals in community health and public health settings as health education specialists. Health education specialists work in a variety of settings such as community, public health departments, private business, and schools. The curriculum is designed to provide a broad general-educational foundation as well as the basic skills, experiences, and professional competencies specific to the practice of health promotion/education. Graduates of this 120-semester hour program function in planning, implementing, evaluating, and administering health promotion and health education strategies, interventions and programs. The curriculum renders the graduate eligible to sit for the Certified Health Education Specialist (CHES) national examination for certification.

Students in the Public Health Major select one of two concentrations:

- Students in the General Concentration complete a common core of courses in Public Health and then may select a minor, certificate, or complete electives in consultation with a Public Health Sciences faculty member or advisor. The General Concentration includes a practicum component. Students who participate in practicum will be required to pass a background checks and complete clinical compliance requirements in order to complete program requirements.
- Students in the All-Level Health Education concentration complete a core of Public Health courses and a minor in All-Level Education while preparing to earn teacher certification and becoming health teachers in the school system. This program requires students apply to the College of Education and successfully pass a background check to be eligible for field experience, student teaching, and applying for a teaching certificate.
- Students in the BS Health Promotion or BS Public Health cannot declare the HPRO minor or the Undergraduate Certificate in Public Health.

All undergraduate students majoring in Public Health must obtain a minimum grade of C in all HSCI courses in order to graduate. Students who do not meet this requirement must retake the courses and achieve a minimum grade of "C."

Degree Plan

BS in Public Health with General Concentration

Code	Title	Hours
Designated Core		
BIOL 1305 & BIOL 1107	General Biology and Topics in Study of Life I ^C	
BIOL 2311 & BIOL 2111	Human Anat/Physiology I and Human Anat/Physio Lab I ^C	
MATH 1320 or MATH 1411 or MATH 1508 or MATH 1310	Math for Social Sciences I ^C Calculus I Precalculus Trigonometry and Conics	

University Core Curriculum

Complete the University Core Curriculum requirements. (p. 3)

Public Health Support Courses

Required Courses:

BIOL 2313 & BIOL 2113	Human Anat/Physiology II and Human Anat/Physio Lab II	4
CHEM 1307 & CHEM 1107	Intro to General Chemistry and Intro General Chemistry Lab	4
PSYC 1303	Statistical Methods ^C	3
RWS 3359	Technical Writing	3

Public Health Major- General Concentration (All courses require a grade of C or better.)

Required Courses:

HSCI 1301	Fnd. of Hlth Sci. & Hlth Promo ^C	3
HSCI 2302	Fundamentals of Nutrition ^C	3
HSCI 3301	Community Health ^C	3
HSCI 3306	Environmental Health ^C	3
HSCI 3308	Disease Charc/Prevnt/Contrl ^C	3
HSCI 3311	Introduction to Epidemiology ^C	3
HSCI 3312	Theories & Meth of Hlth Behav ^C	3
HSCI 3315	Research For The Health Prof ^C	3
HSCI 4304	Public Health Administration ^C	3
HSCI 4307	Hlth Promo Plan & Implement ^C	3
HSCI 4309	Program Eval in Health Science ^C	3
HSCI 4312	Grant Writing in Hlth Profess ^C	3
HSCI 4313	Practicum I ^C	3
HSCI 4314	Practicum II ^C	3

Electives

Select 20 hours of electives from any subject at any level. Students are encouraged to consider a minor or certificate to fill elective credits 20

TOTAL HOURS**120****C**

Courses require a grade of C or better.

BS in Public Health with All-Level Health Education Concentration

Code	Title	Hours
------	-------	-------

GPA for Certification

This degree plan prepares students for teacher certification in the State of Texas. Although a 2.0 GPA is required to earn a degree from UTEP, the State Board for Educator Certification (SBEC) requires a 2.75 GPA to become certified to teach in the State of Texas. For additional information, please contact your advisor.

Background Check Required

A complete background check is required of all students who wish to receive teacher certification in the State of Texas. Students will be required to pass a background check before certification will be conferred by the State Board of Educator Certification (SBEC).

Designated Core

BIOL 1305 & BIOL 1107	General Biology and Topics in Study of Life I ^C	
BIOL 2311 & BIOL 2111	Human Anat/Physiology I and Human Anat/Physio Lab I ^C	
MATH 1320 or MATH 1411 or MATH 1508 or MATH 1310	Math for Social Sciences I ^C Calculus I Precalculus Trigonometry and Conics	

University Core Curriculum

Complete the University Core Curriculum requirements. (p. 3) 44

Public Health Support Courses

BIOL 2313 & BIOL 2113	Human Anat/Physiology II and Human Anat/Physio Lab II	4
--------------------------	--	---

CHEM 1307 & CHEM 1107	Intro to General Chemistry and Intro General Chemistry Lab	4
or		
CHEM 1305 & CHEM 1105	General Chemistry and Laboratory for CHEM 1305	
PSYC 1303	Statistical Methods ^C	3
RWS 3359	Technical Writing	3
Public Health Major- All-Level Health Education Concentration (All courses require a grade of C or better.)		
HSCI 1301	Fnd. of Hlth Sci. & Hlth Promo ^C	3
HSCI 2302	Fundamentals of Nutrition ^C	3
HSCI 3301	Community Health ^C	3
HSCI 3306	Environmental Health ^C	3
HSCI 3308	Disease Charc/Prevnt/Contrl ^C	3
HSCI 3311	Introduction to Epidemiology ^C	3
HSCI 3312	Theories & Meth of Hlth Behav ^C	3
HSCI 3315	Research For The Health Prof ^C	3
HSCI 4101	Health Ed Elem Schl Teach Lab ^C	1
HSCI 4304	Public Health Administration ^C	3
HSCI 4307	Hlth Promo Plan & Implement ^C	3
HSCI 4309	Program Eval in Health Science ^C	3
HSCI 4312	Grant Writing in Hlth Profess ^C	3
SCED 3312	General Methods in Sec School	3
All-Levels Education Minor		
Required Courses:		
BED 4317	Tch & Empwr ELLs in Sec Schls	3
EDPC 3300	Intro to Youth Dev & Spec Ed	3
RED 3342	Content Area Literacy	3
SCED 3311	Curriculum Plan-Secondary Schl	3
TED 4699	Internship-All Levels Inclusiv	6
Electives		
4 Credit open electives		4
Total Hours		120

University Core Curriculum

The department may make specific suggestions for courses which are most applicable towards your major.

All courses require a C or better

I. Communication (six hours)

Code	Title	Hours
The objective of the communication component is to enable the student to communicate effectively in clear and correct prose or orally in a style appropriate to the subject, occasion, and audience.		
Select six hours of the following:		6
For students whose secondary education was in English:		
COMM 1611	Written and Oral Communication	
ENGL 1313	Writing About Literature	
RWS 1301	Rhetoric & Composition I	
RWS 1302	Rhetoric & Composition 2	
RWS 1601	Rhetoric, Composition & Comm	
For students whose secondary education was not in English:		
ESOL 1311	Expos Engl Compos-Spkr Esl	
ESOL 1312	Res & Crit Writng Spkr Esl	
Total Hours		6

II. American History (six hours)

Code	Title	Hours
The objectives of the history component are to expand students' knowledge of the origin and history of the U.S., their comprehension of the past and current role of the U.S. in the world, and their ability to critically evaluate and analyze historical evidence. U.S. history courses (three hours must be Texas history) include:		
HIST 1301	History of U.S. to 1865	3
HIST 1302	History of U.S. Since 1865	3
Total Hours		6

III. Language, Philosophy & Culture (three hours)

Code	Title	Hours
The objective of the humanities component is to expand students' knowledge of the human condition and human cultures, especially in relation to behaviors, ideas, and values expressed in works of human imagination and thought. Through study in disciplines such as literature and philosophy, students engage in critical analysis and develop an appreciation of the humanities as fundamental to the health and survival of any society.		
Select one of the following:		3
AFST 2300	Intro-African Amer Studies	
CHIC 2302	Latina/o Presence in the U.S.	
ENGL 2311	English Literature	
ENGL 2312	English Literature	
ENGL 2313	Intro to American Fiction	
ENGL 2314	Intro to American Drama	
ENGL 2318	Intro to American Poetry	
FREN 2322	Making of the "Other" Americas	
HIST 2301	World History to 1500	
HIST 2302	World History Since 1500	
PHIL 1301	Introduction to Philosophy	
PHIL 2306	Ethics	
RS 1301	Introduct to Religious Studies	
SPAN 2340	Seeing & Naming: Conversations	
WS 2300	Introduction to Womens Studies	
WS 2350	Global Feminisms	
Total Hours		3

IV. Mathematics (three hours)

Code	Title	Hours
The objective of the mathematics component is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.		
Select one of the following:		3
MATH 1309	College Algebra	
MATH 1310	Trigonometry and Conics	
MATH 1319	Math in the Modern World	
MATH 1320	Math for Social Sciences I	
MATH 1411	Calculus I	
MATH 1508	Precalculus ^{1,2}	
MATH 2301	Math for Social Sciences II	
STAT 1380	Statistical Literacy	
STAT 2480	Elementary Statistical Methods	
1 A higher-level course in the calculus sequence can be substituted.		
2 TCCN MATH 1314 will also satisfy this requirement.		
Total Hours		3

V. Life & Physical Sciences (six hours)

Code	Title	Hours
The objective of the study of the natural sciences is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories. The courses listed are for non-majors; the major courses in the discipline can be substituted for the non-major sequence. A minimum of two semesters of lecture and one semester of laboratory associated with one of the courses, or two semesters of combined (3 credit) lecture-laboratory courses (Only six hours apply toward the required 42.):		
Select one of the following:		1-4
ASTR 1107	Astronomy Lab I	
ASTR 1307	Elem Astronomy-Solar System	
ASTR 1308	Elem Astr Stars & Galaxies	
BIOL 1103	Introductory Biology Lab	
BIOL 1104	Human Biology Laboratory	
BIOL 1107	Topics in Study of Life I	
BIOL 1108	Organismal Biology Laboratory	
BIOL 1203	Introductory Biology	
BIOL 1304	Human Biology	
BIOL 1305	General Biology	
BIOL 1306	Organismal Biology	
BIOL 2111	Human Anat/Physio Lab I	
BIOL 2113	Human Anat/Physio Lab II	
BIOL 2311	Human Anat/Physiology I	
BIOL 2313	Human Anat/Physiology II	
CHEM 1105	Laboratory for CHEM 1305	
CHEM 1106	Laboratory for CHEM 1306	
CHEM 1107	Intro General Chemistry Lab	
CHEM 1108	Intro Organic & Biochem Lab	
CHEM 1305	General Chemistry	
CHEM 1306	General Chemistry	
CHEM 1307	Intro to General Chemistry	
CHEM 1308	Intro Organic & Biochemistry	
ESCI 1101	Environmental Sci. Lab	
ESCI 1102	Non-major Lab for ESCI 1301	
ESCI 1202	Intro to Environment Science 2	
ESCI 1301	Intro to Environmental Sci	
GEOG 1106	Laboratory for GEOG 1306	
GEOG 1306	Physical Geography	
GEOL 1103	Lab for GEOL 1313	
GEOL 1104	Lab for GEOL 1314	
GEOL 1111	Principles of Earth Sci - Lab	
GEOL 1112	Laboratory for Geology 1212	
GEOL 1211	Principles of Earth Sciences	
GEOL 1212	Principles of Earth Science	
GEOL 1230	The Blue Planet	
GEOL 1231	Natural Hazards	
GEOL 1313	Intro to Physical Geology	
GEOL 1314	Intro to Historical Geol	
HSCI 2302	Fundamentals of Nutrition	
HSCI 2303	Wellness Dynamics	
MICR 2330	Microorganisms and Disease	
PHYS 1403	General Physics I	
PHYS 1404	General Physics II	
PHYS 2120	Laboratory for PHYS 2320	

PHYS 2121	Laboratory for PHYS 2321	
PHYS 2320	Introductory Mechanics	
PHYS 2321	Introductory Electromagnetism	
Total Hours		6

VI. Political Science (six hours)

Code	Title	Hours
The objectives of the political science component are to expand students' knowledge of the origin and evolution of the U.S. and Texas political systems, focusing on the growth of political institutions, and on the constitutions of Texas and the United States; and to enhance their understanding of federalism, states rights, and individual civil liberties, rights, and responsibilities.		
Required Courses:		
POLS 2310	Introduction to Politics	3
POLS 2311	American Gover & Politics	3
Total Hours		6

VII. Social and Behavioral Sciences (three hours)

Code	Title	Hours
The objective of the social and behavioral science component is to increase students' knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity.		
Select one of the following:		3
ANTH 1301	Intro-Phys Anth/Archeolog	
ANTH 1302	Intro-Cultural Anthropology	
ANTH 1310	Cultural Geography	
ANTH 2320	Intro to Linguistics	
CE 2326	Econ for Engrs & Scientists	
ASIA 2300	Asian American Studies	
COMM 2350	Interpersonal Communication	
COMM 2372	Mass Media and Society	
ECON 2303	Principles of Macroeconomics	
ECON 2304	Principles of Microeconomics	
EDPC 1301	Introduction to Ed Psychology	
EDU 1342	Action Research in Classrooms	
ENGL 2320	Introduction to Linguistics	
GEOG 1310	Cultural Geography	
LEAD 2300	Community Service	
LING 2320	An Intro. to Linguistics	
LING 2340	Lang. Inside & Out: Sel Topics	
PSYC 1301	Introduction to Psychology	
SOCI 1301	Introduction to Sociology	
SOCI 1310	Cultural Geography	
Total Hours		3

VIII. Creative Arts (three hours)

Code	Title	Hours
The objective of the visual and performing arts component is to expand students' knowledge and appreciation of the human imagination as expressed through works of visual art, dance, music, theatre and film. Through study in these disciplines, students will form aesthetic judgments and develop an appreciation of the arts as fundamental to the health and survival of any society.		
Select one of the following:		3
ART 1300	Art Appreciation	
ARTH 1305	History of Art I	
ARTH 1306	History of Art II	
CHIC 1311	Chicana/o Fine Arts Appreciat	

DANC 1304	Dance Appreciation
FILM 1390	Intro-Art of Motion Pict.
MUSL 1324	Music Appreciation
MUSL 1327	Jazz to Rock
MUSL 2321	Music, Culture, and Society
THEA 1313	Introduction to Theatre

Total Hours **3**

IX. Component Area Option (six hours)

Code	Title	Hours
------	-------	-------

The objective of the institutionally designated option component is to develop the critical thinking skills and academic tools required to be an effective learner. Special emphasis is placed on the use of technology in problem-solving, communications, and knowledge acquisition.

Select two of the following: 6

BUSN 1301	Intro to Global Business
COMM 1301	Public Speaking
COMM 1302	Business/Profession Comm
CS 1310	Intro-Computational Thinking
CS 1320	Computer Programming Sci/Engr
EL 1301	Eng Innovation and Leadership
LEAD 1300	Introduction to Leadership
SCI 1301	Inquiry in Math & Science
UNIV 1301	Seminar/Critical Inquiry

Total Hours **6**

4-Year Sample Degree Plan

BS Public Health - General Concentration

Code	Title	Hours
------	-------	-------

BACHELOR OF SCIENCE IN PUBLIC HEALTH

GENERAL CONCENTRATION

FRESHMAN

Fall		
BIOL 1305 & BIOL 1107	General Biology and Topics in Study of Life I	4
HIST 1301	History of U.S. to 1865	3
MATH 1320 or MATH 1508 or MATH 1411	Math for Social Sciences I Precalculus Calculus I	3-5
RWS 1301	Rhetoric & Composition I	3
UNIV 1301	Seminar/Critical Inquiry	3

Spring

BIOL 2311 & BIOL 2111	Human Anat/Physiology I and Human Anat/Physio Lab I	4
HIST 1302	History of U.S. Since 1865	3
HSCI 1301	Fnd. of Hlth Sci. & Hlth Promo	3
RWS 1302	Rhetoric & Composition 2	3
Language, Philosophy, and Culture		3

SOPHOMORE

Fall		
BIOL 2313 & BIOL 2113	Human Anat/Physiology II and Human Anat/Physio Lab II	4
COMM 1301	Public Speaking	3
HSCI 3301	Community Health	3

POLS 2310	Introduction to Politics	3
PSYC 1303	Statistical Methods	3
Spring		
CHEM 1307 & CHEM 1107	Intro to General Chemistry and Intro General Chemistry Lab	4
Or		
CHEM 1305 & CHEM 1105	General Chemistry and Laboratory for CHEM 1305	
HSCI 3315	Research For The Health Prof	3
POLS 2311	American Gover & Politics	3
Creative Arts Core		3
Social & Behavioral Sciences		3
JUNIOR		
Fall		
HSCI 2302	Fundamentals of Nutrition	3
HSCI 3312	Theories & Meth of Hlth Behav	3
HSCI 4307	Hlth Promo Plan & Implement	3
Elective		3
Elective		3
Spring		
HSCI 3306	Environmental Health	3
HSCI 3308	Disease Charc/Prevnt/Contrl	3
HSCI 4309	Program Eval in Health Science	3
Elective		3
Elective		3
SENIOR		
Fall		
HSCI 3311	Introduction to Epidemiology	3
HSCI 4312	Grant Writing in Hlth Profess	3
HSCI 4313	Practicum I	3
RWS 3359	Technical Writing	3
Spring		
HSCI 4304	Public Health Administration	3
HSCI 4314	Practicum II	3
Elective		3
Elective		3
Elective		2
Total Hours		120-122

BS Public Health # Health Education Concentration with All#Level Education Minor

Code	Title	Hours
BACHELOR OF SCIENCE IN PUBLIC HEALTH		
HEALTH EDUCATION CONCENTRATION WITH ALL-LEVEL EDUCATION MINOR		
FRESHMAN		
Fall		
BIOL 1305 & BIOL 1107	General Biology and Topics in Study of Life I	4
HIST 1301	History of U.S. to 1865	3
MATH 1320	Math for Social Sciences I	3-5
or MATH 1508	Precalculus	
or MATH 1411	Calculus I	
RWS 1301	Rhetoric & Composition I	3
UNIV 1301	Seminar/Critical Inquiry	3

Spring

BIOL 2311 & BIOL 2111	Human Anat/Physiology I and Human Anat/Physio Lab I	4
HIST 1302	History of U.S. Since 1865	3
HSCI 1301	Fnd. of Hlth Sci. & Hlth Promo	3
RWS 1302	Rhetoric & Composition 2	3
Language, Philosophy, and Culture		3

SOPHOMORE**Fall**

BIOL 2313 & BIOL 2113	Human Anat/Physiology II and Human Anat/Physio Lab II	4
COMM 1301	Public Speaking	3
HSCI 3301	Community Health	3
POLS 2310	Introduction to Politics	3
PSYC 1303	Statistical Methods	3

Spring

CHEM 1307 & CHEM 1107	Intro to General Chemistry and Intro General Chemistry Lab	4
--------------------------	---	---

Or

CHEM 1305 & CHEM 1105	General Chemistry and Laboratory for CHEM 1305	
HSCI 3315	Research For The Health Prof	3
POLS 2311	American Gover & Politics	3
Creative Arts Core		3
Social & Behavioral Sciences		3

JUNIOR**Fall**

EDPC 3300	Intro to Youth Dev & Spec Ed	3
HSCI 2302	Fundamentals of Nutrition	3
HSCI 3312	Theories & Meth of Hlth Behav	3
HSCI 4307	Hlth Promo Plan & Implement	3
RWS 3359	Technical Writing	3
SCED 3312	General Methods in Sec School	3

Spring

HSCI 3306	Environmental Health	3
HSCI 3308	Disease Charc/Prevnt/Contrl	3
HSCI 4101	Health Ed Elem Schl Teach Lab	1
HSCI 4309	Program Eval in Health Science	3
RED 3342	Content Area Literacy	3
SCED 3311	Curriculum Plan-Secondary Schl	3

SENIOR**Fall**

HSCI 3311	Introduction to Epidemiology	3
HSCI 4304	Public Health Administration	3
HSCI 4312	Grant Writing in Hlth Profess	3
SCED 3317	Multicultural Ed in Sec School *	3
Elective		3
Elective		1

Spring

TED 4699	Internship-All Levels Inclusiv	6
----------	--------------------------------	---

*Check with College of Education for substitution course for SCED 3317

Total Hours**120-122**